

**Aero Design Ltd.****Work Order Control Sheet**Work Order#: **2017-154** Date Opened: **19 September 2017** Title: **Assembly**Aircraft OEM: **Bell** Aircraft Model: **206B** Product Type: **Cargo Basket** Product Model: **Short** Quantity: **1****Work Order Contents**

Work Order/Build Sheets (Procedures Provided)  
Additional Work Sheets (Standard Practice)  
Drawings (See List Below)  
Parts Distribution Sheet  
Sub Component Tags  
Completed Certification  
Time Sheet (R&D)  
Notes

Initial or N/A

JC
N/A
JC
JC
N/A
JC
N/A
N/A

**Build Sheet Contents**

Tasks Initialled  
Dual Inspections Initialled

Initial or N/A

JC
JC

**Drawing List**

Drawing #	Rev #	Description	Initial or N/A
80210	0	Basket Assembly	JC
70405	4	Lid Walkway Mod.	JC
84240	0	Lid Brace Installation	JC
84255	2	Handle Installation	JC
80227	0	Placard	JC
84261	2	Handle Assembly	JC

**Traveller**

Install walkway on lid  
Install lid on basket body  
Re-tap mounting lug holes and install mount lugs  
Install handle brackets  
Install handle  
Install lid prop  
Install data plate

Initial or N/A

JC
JC
JC
JC
JC
JC
JC

**Component Completion**

Quantity Complete on This Work Order  
Quantity Incomplete on This Work Order  
Further Processing Required Before Release  
Release to Stock as Components

As Instructed

1
N/A
N/A
N/A

**Certification**

Form One Completed  
Serviceable (Green) Tag Completed  
In Process (Yellow) Tag Completed  
Unserviceable (Red) Tag Completed  
Parts Placed in Stores for Distribution

Initial or N/A

JC
N/A
N/A
N/A
N/A

**Additional Documentation**

Documentation of a minor change  
Non-Conformance Report Required  
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

**Billing**

Local (Aero Design)  
Research and Development  
Third Party

Initial or N/A

JC
N/A
N/A

Work performed by:

Print: J. Clarke

ICC / Dual Inspection preformed by:

Print: J. Rekve

Work Order closed by:

Print: J. Clarke

Approved Manufacturing Facility 73-04

Sign:

Sign:

Sign:

Form 2017.03

SCA: AD02

SCA: AD01

SCA: AD02

Date: 20-Sep-17

Date: 20-Sep-17

Date: 21-Sep-17

Rev. Original 23 Sep 2014



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: BASKET LID (B206A) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 80212-01 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-134

Remaining Tasks to be Performed: NONE

Signature: Jff C. L.

Date: 12 SEPT 2017 Lic. No. / SCA AD02



## Aero Design Ltd.

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: BASKET BODY (B206B) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 80211-01 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-134

Remaining Tasks to be Performed: NONE

Signature: JH Celi.

Date: 12 SEPT 2017 Lic. No. / SCA AD02



## Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC  
V8A 0G3, 604-483-AERO (2376)

Quantity: 1

MS20001P4-9600

Weight:

Multiple

Model: Multiple

Description:

Hinge

Supplier:

Bisco

Color:

N/A

WO#:

N/A

PO# 16030



# CARGO BASKET ASSEMBLY - COMMON

Work Order: 2017-154

Date Open: 19 SEPT 2017

## General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details. Drawings are linked to the source for ease of printing.

		Basket			Lid	Lid	Handle		
✓	Basket Type	Ass'y	Placard	Mat'l	Walk	Prop	Inst'n	Ass'y	Mat'l
Bell 206B – right side only									
✓	Short	<a href="#">80210</a>	<a href="#">80227</a>	<a href="#">Mat'l</a>	70405	<a href="#">84240</a>	<a href="#">84255</a>	<a href="#">84261</a>	<a href="#">Mat'l</a>
	Medium	<a href="#">80310</a>	<a href="#">80327</a>	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
	Long	<a href="#">81110</a>	<a href="#">81127</a>	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
Bell 206L/407 – Right side only									
	Low Standard	<a href="#">69810</a>	<a href="#">69827</a>	<a href="#">Mat'l</a>	70405	<a href="#">84240</a>	<a href="#">84255</a>	<a href="#">84261</a>	<a href="#">Mat'l</a>
	Low Wide	<a href="#">94510</a>	<a href="#">94527</a>	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
	Low Ski	<a href="#">94610</a>	<a href="#">94627</a>	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
	High Ski	76610	76625	Mat'l					<a href="#">Mat'l</a>
Bell Medium – left or right									
	Standard	75110	75127	<a href="#">Mat'l</a>	70405	<a href="#">84240</a>	<a href="#">84255</a>	<a href="#">84261</a>	<a href="#">Mat'l</a>
	Extra Large (ski)	95510	95527	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
	Mega	100610	100627	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
Bell 429 – right or left									
	Standard – Pre S/N 71	95910	95927	<a href="#">Mat'l</a>	70405	<a href="#">84240</a>	<a href="#">84255</a>	<a href="#">84261</a>	<a href="#">Mat'l</a>
	Standard – Post S/N 71	95950	95927	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
Eurocopter AS350/AS355 – left or right									
	Short	77610	77627	<a href="#">Mat'l</a>	70405	<a href="#">84240</a>	<a href="#">84255</a>	<a href="#">84261</a>	<a href="#">Mat'l</a>
	Medium	76410	76427	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
	Long	78410	78427	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
	Ski	94010	94027	<a href="#">Mat'l</a>					<a href="#">Mat'l</a>
Robinson R44 – left or right									
	Standard	90610	90627	<a href="#">Mat'l</a>	<a href="#">70405</a>	<a href="#">84240</a>	<a href="#">84255</a>	<a href="#">84261</a>	<a href="#">Mat'l</a>
MD600									
	Standard	82810	82827	<a href="#">Mat'l</a>	<a href="#">70405</a>	<a href="#">84240</a>	<a href="#">84255</a>	<a href="#">84261</a>	<a href="#">Mat'l</a>

Hyperlinking to specific excel sheet –

1. on desired excel sheet cell A1, set name of cell, eg. Assembly.
2. at end of hyperlink add #Assembly (filename.xls#Assembly).

## CARGO BASKET ASSEMBLY - COMMON

Complete  
(initial or SCA #)

AD  
73-04  
02

### 1. Lid Assembly

#### a. Install lid bumpers on bottom.

- i. Drill  $\frac{1}{4}$ " holes using center drill, 3 (standard/medium) or 4 (long/ski) places.
- ii. Fill bumper holes with RTV silicone sealant.
- iii. Insert 49205-14 lid bumper, 3 or 4 places per lid.

#### b. Install placard on bracket on top of lid

Note: 959 and 1006 placard is installed on body.

- i. Locate placard on bracket.
- ii. Drill #30 through placard and bracket, using holes in placard.
- iii. Remove placard and de-burr holes in placard and on bracket.
- iv. Locate placard on bracket, and cleco in place.
- v. Rivet placard with four CR3213-4-02 CherryMax rivets.

#### c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)

- i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
- ii. Pull tread plate from stock. Shear tread plate to length.
- iii. De-burr edges of tread plate with scotch-brite wheel on bench grinder.
- iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
- v. Mark and drill #30 holes:
  1. 0.25" from edge of tread plate, centre on cross members (0.38")
  2. 0.25" from edge of tread plate, middle of each walkway stringer
- vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using  $\frac{1}{4}$ " piloted counter bore on both sides.
- vii. De-burr holes in lid tubes.
- viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
- ix. Set tread plate in place, secure with clecos if necessary.
- x. Rivet placard with CR3213-4-02 CherryMax rivets

#### d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

### 2. Body Assembly

#### a. Install attachment fittings

- i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
- ii. Run 3/8-24 tap into attachment lugs to clear threads.
- iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ankra 40088-14)
- iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
  1. 90610 (Robinson R44) basket only:
    - a. Install 1 fitting 90628-01 in lower forward attachment lug only.
    - b. Install 3 96710-01 fittings in remaining locations.
- v. Torque to 160-190 in-lbs (13.3-15.8 ft-lbs).

AD  
73-04  
02



- b. 959 and 1006 Baskets only: Install inboard sheet on upper rim of basket
  - i. Locate sheet on basket.
  - ii. Drill #30 through sheet and rim, located as specified on drawing. Cleco in place.
  - iii. Remove sheet and de-burr holes in sheet and rim.
  - iv. Apply bead of RTV silicone sealant along all tubes under sheet.
  - v. Locate sheet on basket, and cleco in place.
  - vi. Rivet sheet with CR3213-4-02 CherryMax rivets.
- c. 959 Basket only: Install forward sheet
  - i. Locate sheet on basket. Ensure sufficient clamps are in place.
  - ii. Drill #30 through sheet, rim and hoop, located as specified on drawing. Cleco in place.
  - iii. Remove sheet and de-burr holes in sheet and rim.
  - iv. Apply bead of Pro-Seal sealant along all tubes under sheet.
  - v. Locate sheet on basket, and cleco in place.
  - vi. Rivet sheet with CR3213-4-02 CherryMax rivets.
- d. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.

AD  
73-04  
02

### 3. Hinge Installation

- a. Prepare hinge.
  - i. Cut hinge to length:
    - 1. 776, 906 – 54"
    - 2. 751, 803 – 70"
    - 3. 698, 764, 945 – 72"
    - 4. 766, 784 – 90"
    - 5. 940, 946, 959 – 95"
    - 6. 1006 – 107"
  - ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.
- b. Install hinge on basket
  - i. Locate hinge on basket (standard baskets)
    - 1. centre fore/aft
    - 2. 0.15" – 0.18" up from bottom edge
  - ii. Locate hinge on basket (extra wide baskets)
    - 1. centre fore/aft
    - 2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
  - iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
  - iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
  - v. Remove hinge and de-burr holes in hinge and basket rim.
  - vi. Cleco hinge to basket with 5/32 clecos.
  - vii. Install hinge with CherryMax rivets
    - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
    - 2. CR3213-5-02 aluminum rivets – all other locations

## c. Install lid on basket

- i. Locate lid on hinge (all baskets)
  1. center fore/aft
  2. 0.15" – 0.18" down from top edge
- ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
- iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
- iv. Remove hinge and de-burr holes in hinge and lid rim.
- v. Cleco lid to hinge with 5/32 clecos.
- vi. Install hinge with CherryMax rivets
  1. CR3523-5-02 monel rivets – last 2 rivets in each end
  2. CR3213-5-02 aluminum rivets – all other locations

## d. Record PO of hinge and rivets on attached material tracking list.

## 4. Install Handle

## a. Install handle brackets.

- i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
- ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
- iii. Torque AN3 bolts to 20-25 in-lbs.

## b. Install handle

- i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
- ii. Grease two 36275-01 bushings with Mobil Grease 28 or equivalent. Insert into bushings of handle assembly.
- iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
- iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
- v. At first end, remove bolt and repeat step iv.
- vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
- vii. Torque AN3 bolts to 20-25 in-lbs.

## c. Check handle

- i. Operate handle to ensure handle does not bind and springs hold handle in.
- ii. Snap handle into brackets to ensure handle locks.

## d. Record PO/WO of all parts used in steps above on attached material tracking list.

AD  
73-04  
02



## CARGO BASKET ASSEMBLY - COMMON

Complete  
(initial or SCA #)

AD  
73-04  
02

### 5. Install lid brace

- a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
- b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
- c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
- d. Ensure brace is seated on lip of bushings before tightening nuts.
- e. Torque AN3 bolts to 20-25 in-lbs.
- f. Record PO/WO of all parts used in steps above on attached material tracking list.

### 6. 946 Basket Only: Install Cutout Brace

- a. Locate 94621-01 Brace over aft cross tube cutout.
- b. Install two AN4-6A bolts and two AN4-27A bolts with NAS1149F0463P washers.
- c. Torque AN4 bolts to 50-70 in-lbs.

N/A

### 7. Final Inspection

Dual inspection by a different person than assembled the basket.

- a. Check for general condition and correct assembly:
  - i. Bolts are tight
  - ii. Rivets are installed correctly
  - iii. Handle operates correctly
  - iv. Lid brace operates correctly
- b. Check that PO/WO numbers have been recorded.

OK

## CARGO BASKET HANDLE ASSEMBLY

### General

These instructions apply to all cargo basket handle assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

All Models: 84261, Rev. 1

Work Order: 2017-154

Date Open: 19 SEPT 2017

Complete  
(initial or SCA #)

AO  
73-04  
02

#### 1. Fabricate Handle Assembly

- Temporarily install handle levers on lid assembly. Ensure long side of handle bushings are on INSIDE (pointing together).
- Measure across TOP side of levers.
- Cut handle tubing to length measured.
  - Handles under 40" long: 1.0" x 0.035 round tube
  - Handles over 40" long: 1.0" x 0.065 round tube
- De-burr tube.
- Insert tube into handle levers. Tap with a plastic mallet to seat tube flush with lever. Raise handle to ensure both levers touch stops to check alignment.
- Record material PO on attached material list.

#### 2. Weld Handle Assembly

- Fuse tube to lever on both ends. Ensure levers are parallel.

#### 3. Clean up

- Clean welded area with scotch-brite.

#### 4. Final Inspection

- Welds for complete and handle for fit.
- Tag complete and inspected parts in preparation for installation.

AO  
73-04  
02

AO  
73-04  
02

Work Order: 2017-154Date Opened: 19 SEPT 2017Material Tracking Sheet  
Bell 206B  
Handle Assembly

1 of 1

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
	1	84261	84261-01	Handle Assembly		
Step 1				Weld Lever Assembly		CMB
	2		84265-01	Lever	304 Stainless, 0.105 Sheet	<del>2017-65</del> 2017-65
	2		36274-01	Bushing	304 Stainless, 7/16" x 0.065 Rnd. Tube	
	2		MS20615-4M3	Rivet		
	A/R		--	Welding Rod	ER308L TIG Rod	
Step 2				Clean Up	None	
Step 3				Fabricate Handle Bar		CMB
	1		36277-01	Handle Bar	304 Stainless, 1.0 x 0.035 Rnd. Tube	<del>2017-005</del> 17005
Step 4				Weld Handle Assembly	None - Fuse weld, no rod req.	
Step 5				Clean Up	None	
Step 6				Inspection - Final Assembly	None	



Work Order: 2017-154Date Opened: 19 SEPT 2017Material Tracking Sheet  
Bell 206B  
Short Basket Assembly

1 of 2

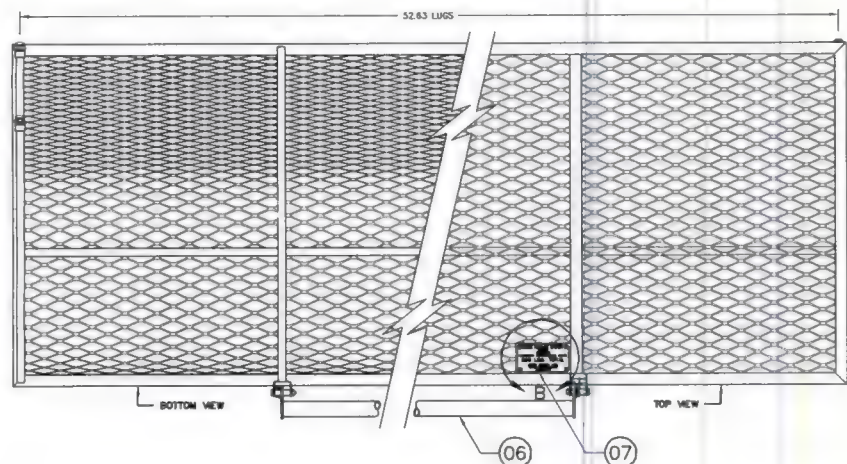
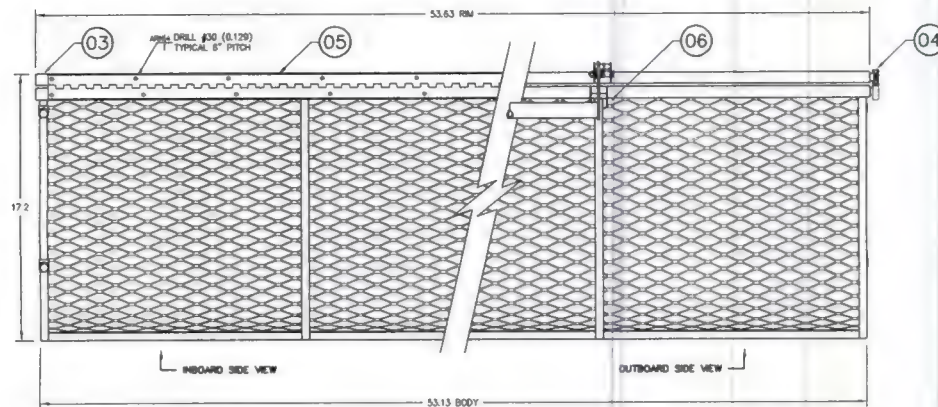
Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
	1		80210-01	<b>Cargo Basket Assembly</b>		
<b>Step 1</b>				<i>Lid Assembly</i>		
Step 1.a.	1		80212-01	Basket Lid Assembly		2017-134
	3		49205-14	Bumper	Argus Industries Bumper	See PDS
	A/R		--	Sealant	Commercial Silicone RTV sealant	
Step 1.b.	1		80227-01	Placard	0.063 Sheet, 6061-T6 Aluminum	2015-03
	4		CR3213-4-02	Cherry Rivet		16053
Step 1.c.	1		70405-01	Lid Step Modification		
(option)	1		70405-04	Tread Plate	3003 Aluminum Tread Plate, 0.063"	17081
	A/R		CR3213-4-02	Cherry Rivet		16053
	A/R		--	Sealant	Commercial Silicone RTV sealant	
<b>Step 2</b>				<i>Basket Assembly</i>		
Step 2.a.	1		80211-01	Basket Body Assembly		2017-134 <sup>cmb</sup> <del>2017-134</del>
	4		96710-01	Fitting	Alternate: Ancra 40088-14	See PDS
	8		NAS1149F0663P	Washer		See PDS
<b>Step 3</b>				<i>Hinge Installation</i>		
	1		MS20001P4	Piano Hinge	52"	16030
	8		CR3523-5-02	Cherry Rivet		16063
	A/R		CR3213-5-02	Cherry Rivet		16053
<b>Step 4</b>	1		84255-01	<i>Handle Installation</i>		20
Step 4.a.	2		84267-01	Bracket	Delrin, 3/4" Sheet	2017-50 <sup>cmb</sup> <del>2017-50</del>
	4		AN3-11A	Bolt		See PDS
	8		NAS1149F0363P	Washer		See PDS
	4		MS21044N3	Nut		See PDS

Work Order: 2017-154Date Opened: 19 SEPT 2017Material Tracking Sheet  
Bell 206B  
Short Basket Assembly

2 of 2

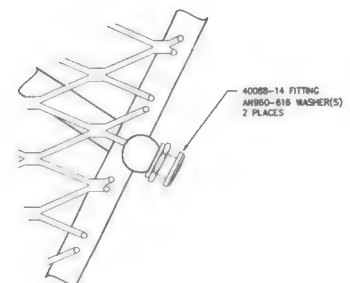
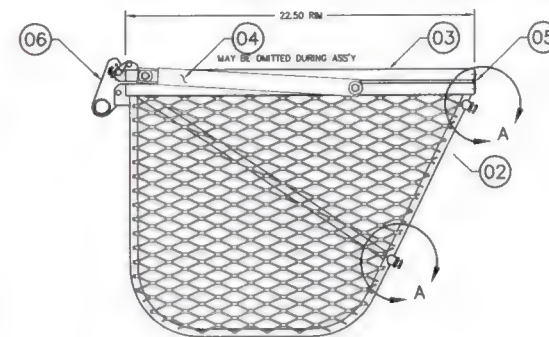
Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
Step 4.b.	.. 1		84261-01	Handle Assembly		See PDS
	.. 2		36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	See PDS
	.. 2		36275-01	Bushing	Brass, 5/16" Dia	See PDS
	.. 2		AN3-12A	Bolt		See PDS
	.. 4		NAS1149F0363P	Washer		See PDS
	.. 2		MS21044N3	Nut		See PDS
Step 5				Lid Brace Installation		
	. 1		36280-01	Brace Assembly		2017-119
	. 1		AN3-15A	Bolt		See PDS
	. 1		AN3-17A	Bolt		See PDS
	. 2		AN970-3	Washer		See PDS
	. 3		NAS1149F0363P	Washer		See PDS
	. 2		MS21044N3	Nut		See PDS
Step 6				Inspection	None	

REVISIONS			
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0			



DETAIL B

SCALE 1 : 1  
LOOKING AT PLACARD BRACKET



DETAIL A

SCALE 1 : 1  
LOOKING AT FRONT ATTACHMENT  
LOWER SHOWN, UPPER SAME

NOTE:  
1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS  
AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.

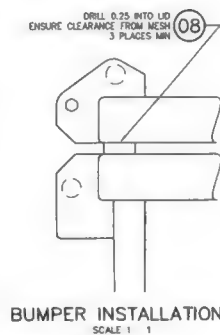
A/R	40088-14	FITTING	ANDRA		
4	40088-14	FITTING	ANDRA		
A/R	CR3213-4-02	CHERRY RIVET	ARGUS INDUSTRIES		
3	49205-14	BUMPER	ARGUS INDUSTRIES		
1	80227-01	07 PLACARD			
1	36255-01	08 HANDLE BAR INSTALLATION			
1	MS20001P4	05 PLANO HINGE			6 FEET LONG
1	36280-01	04 BRACE ASSEMBLY			
1	80212-01	03 LID ASSEMBLY			
1	80211-01	02 BASKET BODY ASSEMBLY			
1	80210-01	01 CARGO BASKET ASSEMBLY			
QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC
QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC

LIST OF MATERIALS

**AERO DESIGN LTD.**  
CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 280M  
2019 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA T2E 6R7  
Tel: (403) 260-8087 Fax: (403) 260-8088 aerodesign@calumplanet.net

BELL 2068  
QUICK RELEASE CARGO BASKET  
CARGO BASKET ASSEMBLY

SCALE	1 : 1	DWG. NO.	DWG. NO.	REV.
SHEET	1 OF 1	A1	80210	0





# NOTICE

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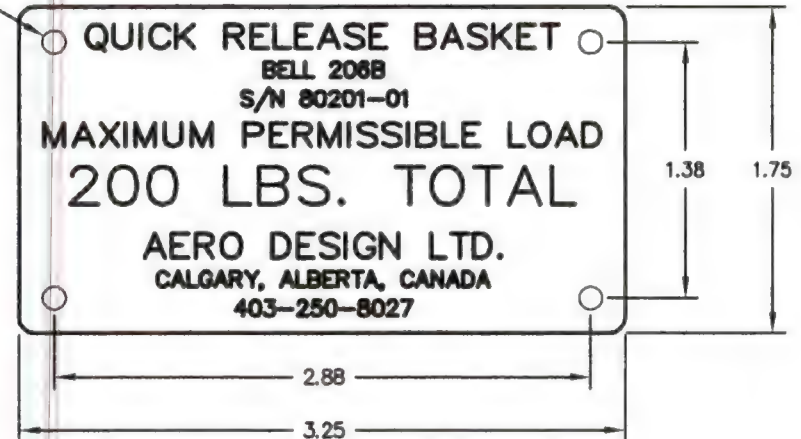
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
1			

## NOTES

### 1. ENGRAVE 0.007 DEEP AS FOLLOWS:

- "QUICK RELEASE BASKET" - 0.125 HIGH
- "BELL 206B" - 0.080 HIGH
- "S/N 80201-XX" - 0.080 HIGH
- "MAXIMUM PERMISSIBLE LOAD" - 0.125 HIGH
- "200 LBS. TOTAL" - 0.200 HIGH
- "AERO DESIGN LTD." - 0.125 HIGH
- "CALGARY, ALBERTA, CANADA" - 0.080 HIGH
- "403-250-8027" - 0.080 HIGH

DRILL #30 (0.129)  
4 PLACES

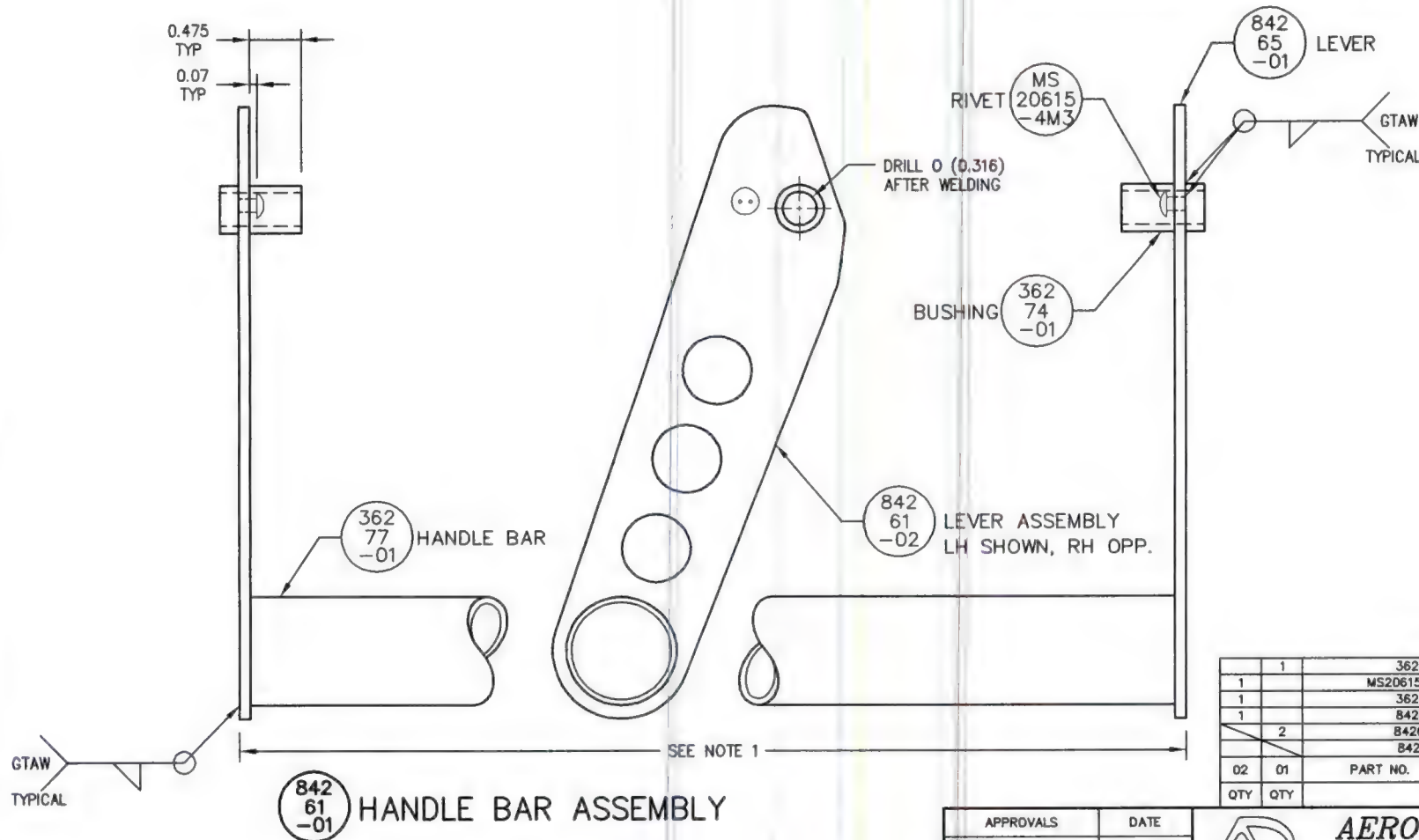


01 PLACARD

80227-01		01	PLACARD	6061-T6 ALUMINUM		QQ-A-250/11	0.063 SHEET	
PART NO.		ITEM	DESCRIPTION	MATERIAL		MATERIAL SPEC		STOCK SIZE
				LIST OF MATERIALS				
	APPROVALS		DATE	<b>AERO DESIGN LTD.</b> CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027      fax: (403) 250-8333      aerodesign@telusplanet.net				
	DRAWN:	JEFF CLARKE	29 JUNE 2007					
	CHECKED:	E. BURGOIN						
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS                      ANGLES X.XXX    ±0.010                      ±1/2" X.XX     ±0.03 X.X      ±0.1			BELL 206B QUICK RELEASE CARGO BASKET PLACARD				
				SCALE 1 : 1		DWG. SIZE	DWG. NO.	REV.
		SHEET 1 OF 1		A1		80227		0

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; LEVER ASSEMBLY ASSIGNED P/N	BJC	MAR 13/14



NOTES:

1. LENGTH OF HANDLE TO BE DETERMINED BY BASKET ASSEMBLY DRAWING.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. WELDING TO BE COMPLETED BY GTAW METHOD TO AMS2685C USING ER308L ROD.

QTY	QTY	PART NO.	DESCRIPTION
1		36277-01	HANDLE BAR
1		MS20615-4M3	RIVET (NONEL)
1		36274-01	BUSHING
1		84265-01	LEVER
2		84261-02	LEVER ASSEMBLY (RH/LH)
		84261-01	HANDLE BAR ASSY

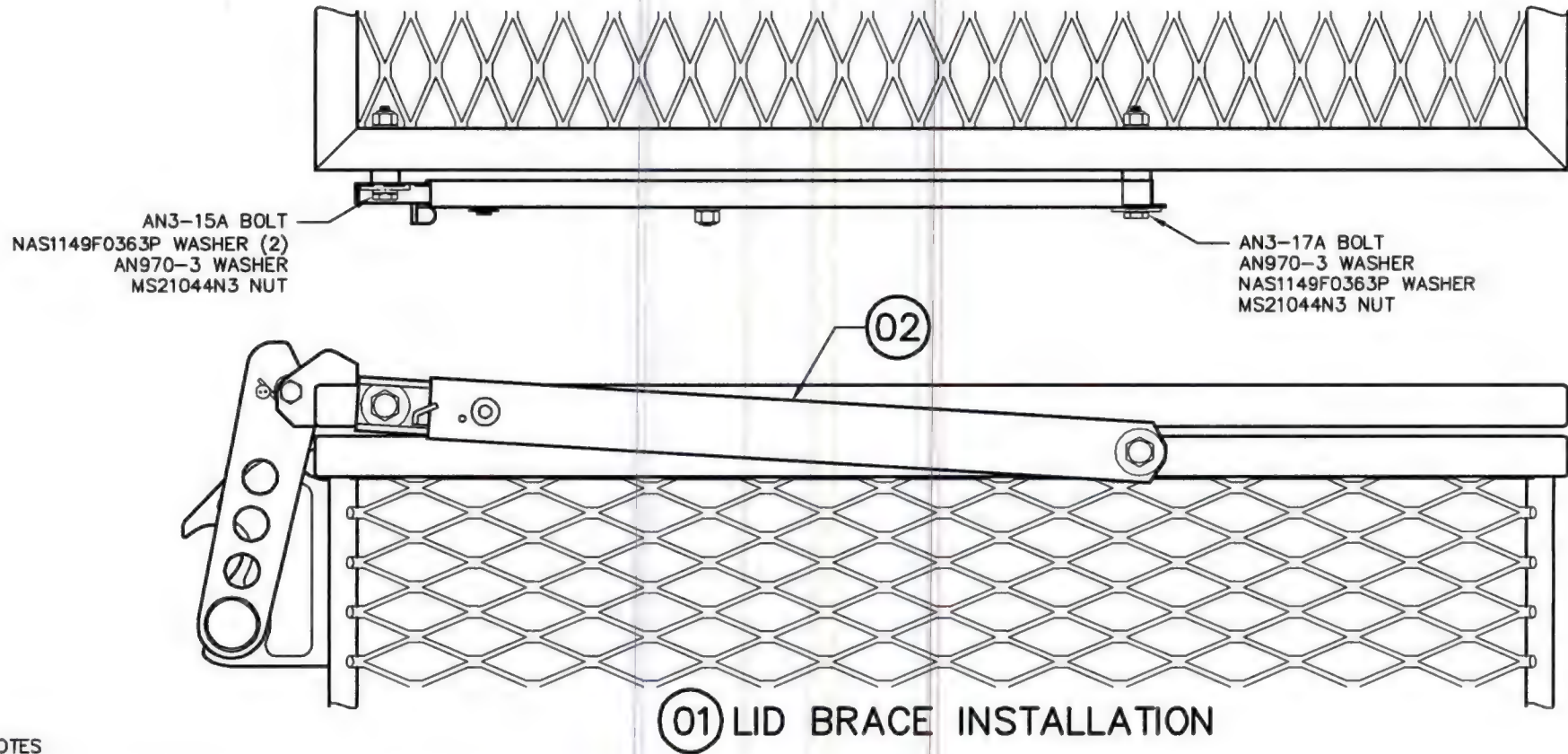
APPROVALS	DATE
DRAWN: R. RATHWELL	JUNE 18/09
CHECKED: E. BURGON	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ON:  
DECIMALS ANGLES  
X.XXX ±0.010 ±1/2°  
X.XX ±0.03  
X.X ±0.1

AERO DESIGN LTD.			
9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.483.2376 www.aerodesign.ca			
HELICOPTER CARGO BASKET HANDLE BAR ASSEMBLY			
SCALE 1 : 1	DWG. SIZE A3	DWG. NO. 84261	REV. 2
SHEET 1 OF 1			

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	*	*



#### NOTES

- THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.  
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

2	MS21044N3		NUT
3	NAS1149F0363P		WASHER
2	AN970-3		WASHER
1	AN3-17A		BOLT
1	AN3-15A		BOLT
1	36280-01	02	LID BRACE ASSEMBLY
	84240-01	01	LID BRACE INSTALLATION
01	PART NO.	ITEM	DESCRIPTION
QTY.	LIST OF MATERIALS		

APPROVALS	DATE
DRAWN: JEFF CLARKE	21 MAY 2014
CHECKED: JASON REKVE	21 MAY 2014
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ±0.010	±1/2"
X.XX ±0.03	
X.X ±0.1	



**AERO DESIGN LTD.**

9888A MALASPINA ROAD  
POWELL RIVER, BC, CANADA, V8A 0G8  
TEL: 804.463.2376 www.aerodesign.ca

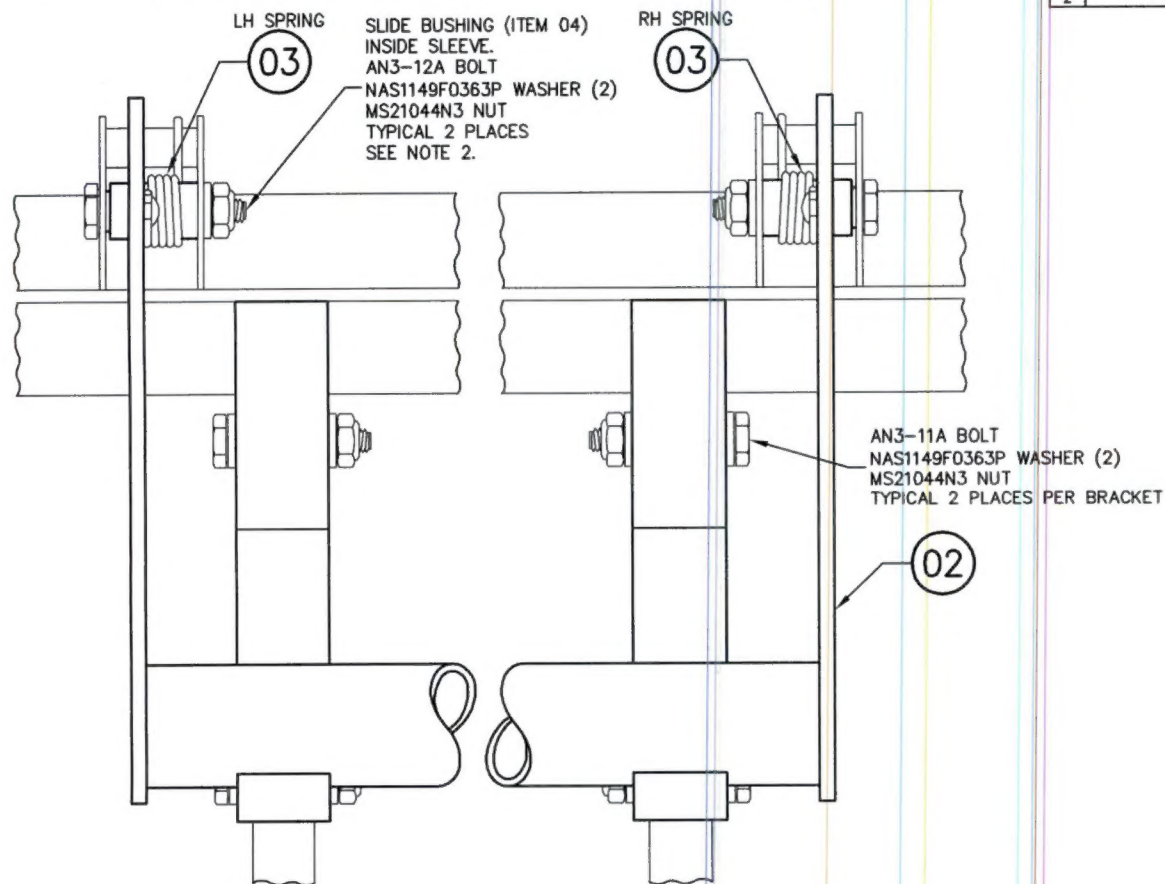
**HELICOPTER CARGO BASKET  
ALL MODELS  
LID BRACE INSTALLATION**

NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A4	84240	0



NOTES:

1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.

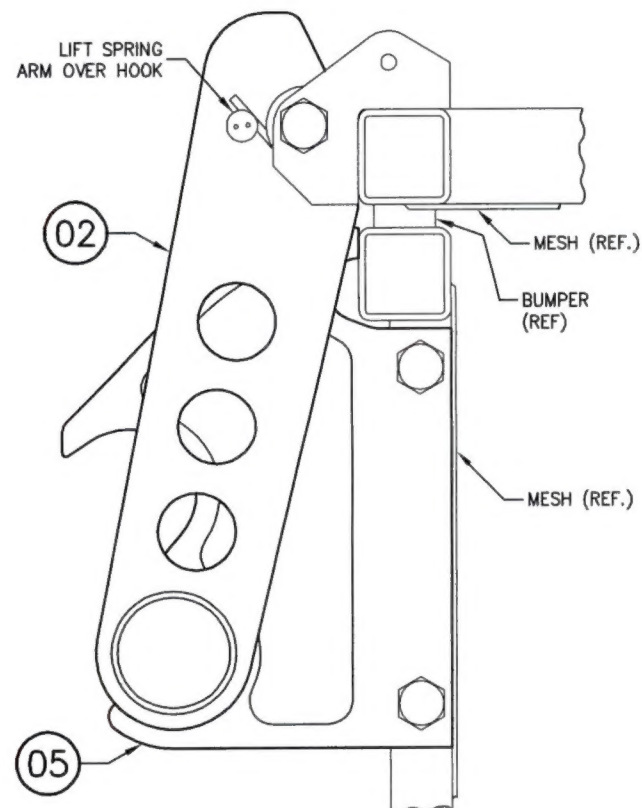


01 HANDLE INSTALLATION

A/R	MOBILGREASE 28		GREASE		MIL-PRF-81322F
4	AN3-11A		BOLT		
2	AN3-12A		BOLT		
10	NAS1149F0363P		WASHER		
6	MS21044N3		NUT		
2	84267-01	05	BRACKET		
2	36275-01	04	BUSHING		
2	36278-01	03	SPRING (1 LH, 1 RH)		
1	84261-01	02	HANDLE BAR ASSEMBLY		
	84255-01	01	HANDLE INSTALLATION		
01	PART NO.	ITEM	DESCRIPTION		MATERIAL
QTY.	LIST OF MATERIALS				

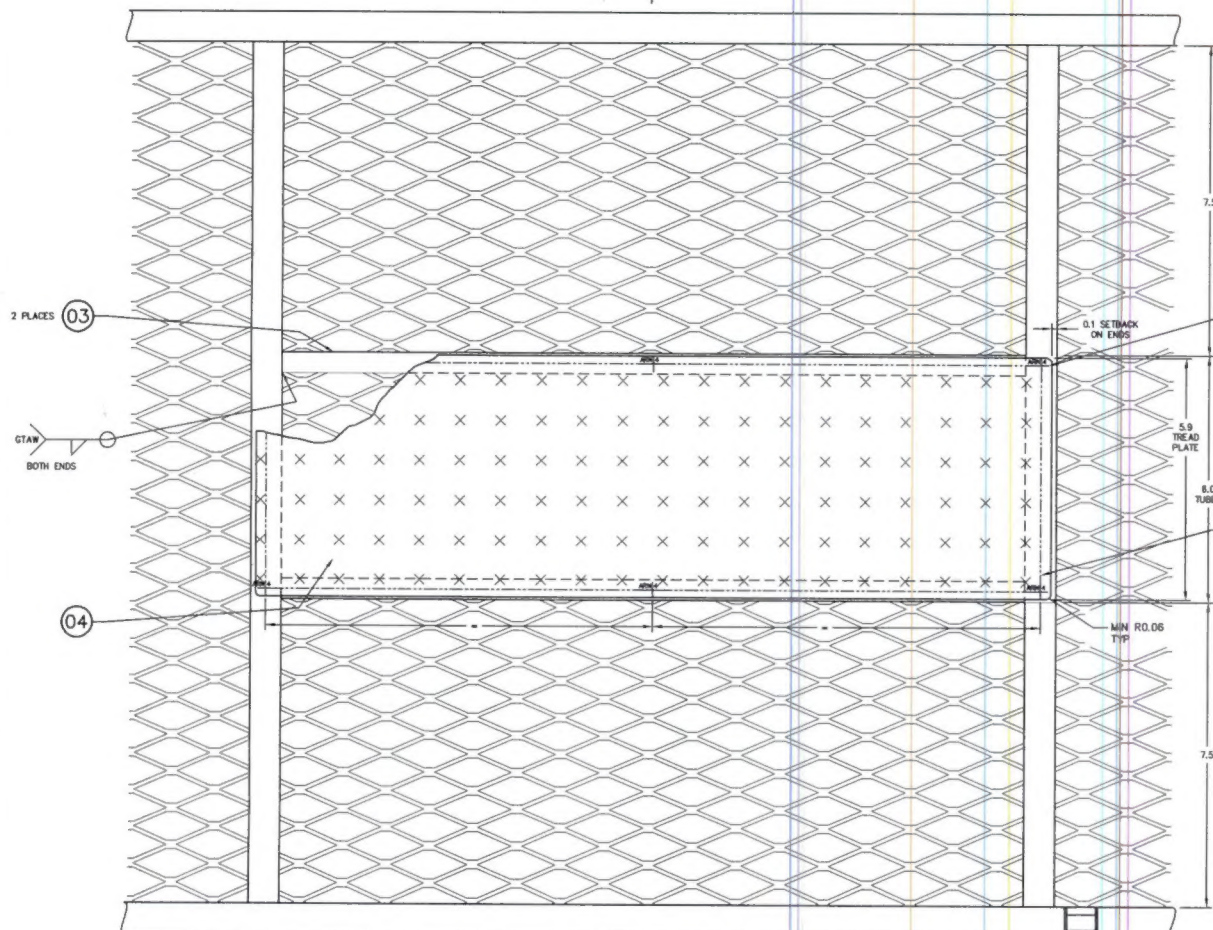
THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36255	BJC	NOV 03/09
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; ADD NOTE 2; HARDWARE UPDATED	BJC	MAR 13/14



APPROVALS	DATE	AERO DESIGN LTD.			
DRAWN: JEFF CLARKE	03 NOV 2009	0888A MALASPINA ROAD			
CHECKED: E. BURGAIN		POWELL RIVER, BC, CANADA, V8A 0G3			
		TEL: 804.463.2376 www.aerodesign.ca			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:		HELICOPTER CARGO BASKET HANDLE BAR INSTALLATION			
DECIMALS		SCALE 1 : 1			
X.XXX ±0.010		DWG. SIZE			
X.XX ±0.03		DWG. NO.			
X.X ±0.1		REV.			
		SHEET 1 OF 1			
		A3 84255 2			

A



01 BASKET LID ASSEMBLY

SECTION A-A

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.			
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
1	ADD BELL MEDIUM AND EUROCOPTER AS350 BASKETS, CHANGE TUBES	BJC	MAR 19/08
2	ADD EUROCOPTER EC135, MCDONNELL DOUGLAS MD600N, BELL 206B BASKETS	BJC	DEC 4/08
3	ADD NEW AS350 AND 206L/407 MODELS	BJC	DEC 4/08
4	TITLE BLOCK UPDATED; MODEL LIST REMOVED; ADD ALT. RIVET; ADD NOTE 7	BJC	29/05/2014

- NOTES:
1. THIS DRAWING IS AN OPTIONAL CONFIGURATION ADDING A TREAD PLATE STEP TO THE LID. THIS CONFIGURATION MAY BE APPLIED TO ANY OR ALL BAYS OF THE LID. REMAINDER OF LID ASSEMBLY IS TO BE FABRICATED IN ACCORDANCE WITH THE APPLICABLE DRAWINGS.
  2. TUBES (ITEM 03) MUST BE WELDED IN PLACE BEFORE MESH IS WELDED ON BOTTOM.
  3. REMOVE ALL BURRS AND BREAK SHARP EDGES.
  4. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AMS 2685C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT.
  5. WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
  6. THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY. INSTALL TREAD PLATE AFTER POWDER COATING.
  7. WIDTH AND POSITION OF LID STEP MAY BE ADJUSTED TO MATCH LID DOOR INSTALLED IN ACCORDANCE WITH DRAWING 70402 ON ADJOINING BAY OF THE LID.

A/R	CR3213-4-02	BLIND RIVET	ALTERNATE: HR3213-4-02	
1	70405-04	04 TREAD PLATE	ALUMINUM	COMMERCIAL
2	70405-03	03 TUBE	4130 STEEL COND. N	MIL-T-6736
1	SEE NOTE 1	02 BASKET LID ASSEMBLY		
1	70405-01	01 BASKET LID ASSEMBLY - MODIFIED WITH STEP		
PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC
QTY				STOCK SIZE

BASIC CODE REF. HAS 503 C=COUNTERSUNK D=DIMPLE DIGIT=# OF SHEETS TO BE DIMPLED		DASH NO. FOR DIAMETER N=NEED. HEAD NEAR SIDE F=NEED. HEAD FAR SIDE DASH NO. FOR LENGTH + = INSTALL NEW RIVET + = REMOVE/REPLACE RIVET - = EXISTING RIVET		APPROVALS DRAWN: JEFF CLARKE CHECKED: E. BURCOON DATE: 21 SEPT 2006		AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, Y8A 0G3 TEL: 804.683.0976 www.aerodesign.ca	
BASIC CODES: BJ = MS20470AD BG = MS20426AD ARM = CR3213 ARM = CR3212				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES XXXX ±0.010 ±1/2" XXX ±0.013 XX ±0.1		CARGO BASKET LID STEP MODIFICATION	
SCALE 1 : 1.5 SHEET 1 OF 1		DWG. NO. A1 70405		REV. 4			



## Aero Design

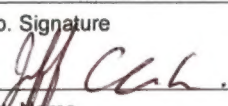
### Parts Distribution Sheet

Description: Basket Assembly Kit

WO# \_\_\_\_\_

[illegible]



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0353</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-154</b>
6. Item <b>1.</b>	7. Description <b>Basket Assembly</b>	8. Part Number <b>80210-01</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>80201-02</b>	11. Status/Work <b>New</b>
12. Remarks <b>Modified with lid walkway and front end cutout IAW DCL704</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release</del> <del><input type="checkbox"/> Other regulation specified in block 12</del> <del>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature</del> <del>14c. Approved Organization Number</del>	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>20 Sep 2017</b>		<del>14d. Name</del> <del>14e. Date (dd/mmm/yyyy)</del>	
<b>Installer Responsibilities</b>					
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

*HELI DYNAMICS*